

Project Title

$\mathbf{B}\mathbf{y}$

Author Name 1

Author Name 2

Supervisor: Dr. ABC

Undergraduate Project

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Department of Artificial Intelligence

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Abstract

To write one, you have to know what abstracts are exactly. Well, an abstract is defined as a concise summary of a larger project; it describes the content and scope of the project while identifying the objective, methodology, findings, and conclusion.

An abstract's purpose is to summarize the major aspects of a research essay or paper, but it is important to remember that they are descriptions of your project, not the topic in general.

You use the abstract to describe what you are doing, not the topic your project is based upon. For example, suppose your project is about medical image segmentation. In that case, the abstract is about a survey or investigation you did about the different techniques, how other researchers/competitors are solving this, the main gap analysis, your analysis result, and the main design concept you used, etc. In this case, the abstract is not about the medical images, their definition, why people use them, or other related things.

With a 250-500 word limit, write only what is necessary, avoiding wordiness. Use active voice and pay attention to excessive prepositional phrasing.

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Acronyms

- AI Artificial Intelligence. 5
- ML Machine Learning. 5

Introduction

1.1 Introduction

The introduction should include:

- Overview, Which simply expresses the idea of the project, presents its goals and importance as well as the reason for choosing this topic. This may be copied from other references related to the subject.
- The Significance and Motivation Where the problem of the project must be explained in general terms and to be understandable.
- Aims and Objectives, The goals of the project must be clearly stated. There might be sub-goals besides the main ones.
- introduction about methodology, Scientific methods used in the project must be well defined.
- brief about documentation organization.

For any citation, refer to it as [1].

Figure 1.1 Shows

Examples of sections you may add:

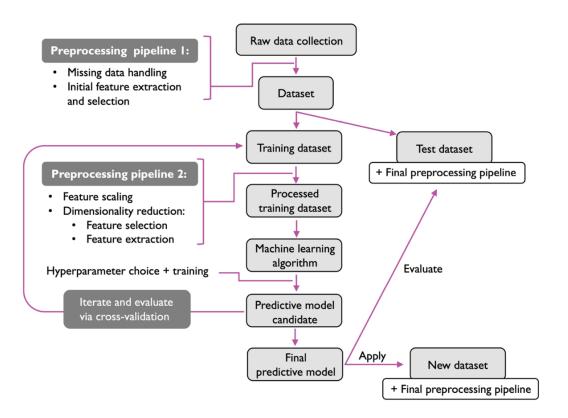


Figure 1.1: Example

- 1.2 Literature Review
- 1.3 Main Aims & Objectives
- 1.4 User's Requirements
- 1.5 Challenges

Literature Review

2.1 Introduction

Students need to understand the relevant published work concerning his / her topic by reviewing the major contributions of related studies and articles. [2]

- Introduction: To write a short motivating essay showing the importance and significance of the project.
- Theoretical Background: To cover all the basic principles and procedures of the project's subject matter.
- Related Work, In this section, previous relevant studies and the applicable works should be mentioned in the form of a critical discussion and analysis, showing an awareness of different arguments, theories, and approaches with clarification for their importance to the project.

Materials and Methods

This chapter includes the following: [2]

• Description of methods and procedures used: For example, the strategy of collecting samples, experimental design, tools that have been used, and the reliability of data quality assessment. It is important to mention the name of the method and its' reference, even if the method is very well-known. Also, it is more important to mention whether the method is modified somehow.

To Create tables, use https://www.tablesgenerator.com/; the table 3.1 is generated by it.

Table 3.1: Table Example

A	В	С	D	Е
В				
С				
D				

The System Design

4.1 Introduction

Example: Machine Learning (ML) is a subset of Artificial Intelligence (AI). All machine learning counts as AI, but not all AI counts as machine learning.

This Chapter should include:

- Description of materials used: Scientific and commercial names of materials and tools used in the project must be detailed with their specifications and lab tests.
- Description of programs used: Software complete name and brand (including producing company number of the issue and the year of production). Organizing or documentation programs must be listed with justification (reason for using this particular program).
- Dataset Description

Implementation and Preliminary Results

5.1 Introduction

Present the specific results of the project in an organized and logical way, using the same sequence followed in materials and methods.

Bibliography

- M. C. Younis and H. Abuhammad, "A hybrid fusion framework to multi-modal biometric identification," *Multimedia Tools and Applications*, vol. 80, no. 17, pp. 25799– 25822, 2021.
- [2] M. Rasol, S. Haider, M. Selman, E. Jarjees, and S. Atroshy, "Graduation project guide (gpg)," 09 2015.